

ABSTRACT OF THE DISCLOSURE

A diode pumped solid state laser using a laser diode bar or a stack of bars with cylindrical lenses is used to end pump a rectangular cross section solid state laser slab. The combination of lenses and polished slab surfaces provides overlap of the pump light with the laser mode combined with sufficient length of material to absorb all of the pump light to produce a compact, efficient laser source.

10

15

20

FOI 90-82662860